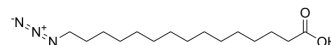


15-Azido-pentadecanoic acid

Cat. No.:	HY-151656
CAS No.:	118162-46-2
Molecular Formula:	C ₁₅ H ₂₉ N ₃ O ₂
Molecular Weight:	283.41
Target:	ADC Linker
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (352.85 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.5285 mL	17.6423 mL	35.2846 mL
	5 mM	0.7057 mL	3.5285 mL	7.0569 mL
	10 mM	0.3528 mL	1.7642 mL	3.5285 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

15-Azido-pentadecanoic acid is a click chemistry reagent containing an azide group. Azido Palmitic Acid can be used to identify and characterize post-translationally palmitylated proteins with using a simple and robust two-step labeling and detection technique^[1]. 15-Azido-pentadecanoic acid is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups.

REFERENCES

[1]. Izquierdo E, et al. Synthesis and characterization of bichromophoric 1-deoxyceramides as FRET probes. *Org Biomol Chem*. 2021 Mar 21;19(11):2456-2467.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA